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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/621,045	07/21/2000	Masayuki Takayama	848075/0016	4035

29619 7590 08/27/2007  
SCHULTE ROTH & ZABEL LLP  
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919 THIRD AVENUE  
NEW YORK, NY 10022

EXAMINER
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RAMPURIA, SHARAD K

ART UNIT	PAPER NUMBER
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2617

MAIL DATE	DELIVERY MODE
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08/27/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/621,045	<b>Applicant(s)</b> TAKAYAMA ET AL.	
	<b>Examiner</b> Sharad Rampuria	<b>Art Unit</b> 2617	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 07 June 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-3 and 5-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 5-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

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### **DETAILED ACTION**

I. The Art Unit location of this application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

### ***Drawings***

II. Figure 3 should be designated by a legend such as --Prior Art-- because only that which is old (EXPLAINED IN THE BACKGROUND SECTION OF SPECIFICATION FILED ON 07/21/2000) is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Disposition of the claims***

III. The current office-action is in response to the Amendment - After Non-Final Rejection filed on 06/07/2007.

Accordingly, Claim 4 is cancelled and Claims 1-3, 5-11 are pending for further examination as follows:

***Claim Rejections - 35 USC § 103***

IV. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-3, 5-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Yoshida et al.** [JP 405014540A] in view of **Howard et al.** [US 5929868].

Regarding claim 1, **Yoshida** disclosed a mobile telephone set (PDA; Paragraphs 0001, 0041) comprising:

Display (36; Fig.1) means for displaying information including telephone numbers or characters (Paragraph 0016) comprising;

A first data bus (40; Fig.1) connected to a controller and a memory; and

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A second bus (41; Fig.1) connected to said controller and said display,

Wherein said second bus is provided and providing independently of said first bus, (e.g. buses 40 and 41 are independently connected; Paragraph 0016)

**Yoshida** doesn't teach specifically, controller controls said first data bus and said second data bus independently. However, **Howard** teaches in an analogous art, that wherein said controller controls said first data bus and said second data bus independently. (e.g. buses 310 and 325 are independently carrying information; Col.4; 9-30, Col.1; 59-Col.2; 4) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify **Yoshida** including controller controls said first data bus and said second data bus independently in order to provide a method and apparatus for computer display memory management. (Col.2; 21-50)

Regarding Claim 2, Yoshida disclosed a mobile telephone as claimed in claim 1, further comprising communication means for transmitting signals via a radio line wherein said control means is controlled to prohibit access to said second address data bus while said communication means is receiving signals. (e.g. buses 40 and 41 are independently connected; Paragraph 0016).

Regarding Claim 3, Yoshida disclosed A mobile telephone as claimed in claim 1, wherein said second address data bus is driven by lower voltage than said first address data bus. (e.g. Paragraph 0016).

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Regarding Claim 5, Yoshida disclosed a mobile telephone as claimed in claim 1, wherein said display means is arranged near an antenna of the mobile telephone. (e.g. disclosed in PDA; Paragraphs 0001, 0041).

As per claim 6, Yoshida teaches all the particulars of the claim except the first bus is not connected to said display means. However, **Howard** teaches in an analogous art, that a mobile telephone as claimed in claim 1, wherein the first bus is not connected to said display means. (e.g. bus 310 is not connected to said display; Col.4; 9-30, Col.1; 59-Col.2; 4)

*Claims 7, 9-11* is the **apparatus** claims, corresponding to **apparatus** claims 1-3, 5 respectively, and rejected under the same rational set forth in connection with the rejection of claims 1-3, 5 respectively, above.

#### ***Response to Amendments & Remarks***

V. Applicant's arguments with respect to claims 1-3, 5-11, have been fully considered but are moot in view of the new ground(s) of rejection.

#### ***Conclusion***

VI. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is (571) 272-7870. The examiner can normally be reached on M-F. (8:30-5 EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000 or [EBC@uspto.gov](mailto:EBC@uspto.gov).

/Sharad Rampuria/  
Patent Examiner  
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